Amendments to the Claims

1. - 6. (Cancelled)

7. (New) A method for measuring radio-interference levels within a given frequency range, the method comprising:

a pre-measurement stage comprising:

selecting a frequency range;

detecting for each measuring frequency in said frequency range a measuring level of a signal,

comparing each of said measuring levels to a limit value; and

marking said measuring level as a radio-interference level if said step of comparing indicates said measuring level is above said limit-value;

a post-measurement stage comprising:

detecting a frequency drift mid-frequency of a frequency range for post-measurement by tracking each marked radio-interference level to the mean frequency of said radio-interference levels marked in the immediately prior pre-measurement stage; and

measuring said radio interference levels; and

cyclically repeating said pre-measurement and said post-measurement stages in alternation.

8. (New) The method of claim 7 wherein said measuring level of each radio-interference level is determined in each pre-measurement stage.

9. (New) The method of claim 8 wherein said frequency range is adjusted within a preselected frequency grid.

10. (New) The method of claim 8 wherein in said step of measuring, said radio-interference level is measured several times repeatedly by comparison with said measuring level.

11. (New) The method of claim 10 further comprising the step of determining a level according to a statistical evaluation method for each radio-interference level which was measured several times repeatedly.

12. (New) The method of claim 7 wherein said frequency range is adjusted within a preselected frequency grid.

13. (New) The method of claim 12 wherein in said step of measuring, said radio-interference level is measured several times repeatedly by comparison with said measuring level.

14. (New) The method of claim 13 further comprising the step of determining a level according to a statistical evaluation method for each radio-interference level which was measured several times repeatedly.

15. (New) The method of claim 7 wherein in said step of measuring, said radio-interference level is measured several times repeatedly by comparison with said measuring level.

16. (New) The method of claim 15 further comprising the step of determining a level according to a statistical evaluation method for each radio-interference level which was measured several times repeatedly.

17. (New) A device for measuring radio-interference levels within a given frequency range comprising:

a micro-computer including:

functional spectrum-analyzer means for identifying radio-interference levels and determining a mean frequency of said radio-interference levels; and

functional measurement-receiver means for:

multiply measuring of each of said radio interference levels; and

statistical evaluation of the multiply measured levels;

wherein said micro-computer;

performs a pre-measurement stage comprising:

selecting a frequency range;

detecting for each measuring frequency in said frequency range a measuring level of a signal,

comparing each of said measuring levels to a limit value; and

marking said measuring level as a radio-interference level if said step of comparing indicates said measuring level is above said limit-value;

performs a post-measurement stage comprising:

detecting a frequency drift mid-frequency of a frequency range for post-measurement by tracking each marked radio-interference level to the mean frequency of said radio-interference levels marked in the immediately prior pre-measurement stage; and

measuring said radio interference levels; and

cyclically repeats said pre-measurement and said post-measurement stages in alternation.